FY 1995 BUDGET ESTIMATES

Air Force Reserve

FY 1995 MILITARY CONSTRUCTION PROGRAM

February 1994

Justification Data Submitted to Congress

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995
MILITARY CONSTRUCTION PROGRAM

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DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)

MAJOR CONSTRUCTION

FY 1995 MILITARY CONSTRUCTION STATE LIST

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH AMOUNT	APPROP AMOUNT	DD FORM 1391 PAGE #
California	March AFB			
	Replace Substation	3,900	3,900	3
	SUBTOTAL	3,900	3,900	
Georgia	Dobbins ARB			
	Fire Fighter Training Facility	1,100	1,100	8
	SUBTOTAL	1,100	1,100	
Indiana	Grissom ARB			
	Basewide Environmental Compliance	2,200	2,200	13
	SUBTOTAL	2,200	2,200	
Louisiana	Barksdale AFB			
	Add to and Alter Facilities for Conversion	5,000	5,000	17
	SUBTOTAL	5,000	5,000	
Massachusetts	Westover ARB			
	Replace Taxiway "G"	5,100	5,100	21
	Replace Underground Storage Tanks	1,000	1,000	23
	SUBTOTAL	6,100	6,100	
Ohio	Youngstown ARS			
	Industrial Wastewater Pretreatment Facility	500	500	28
	SUBTOTAL	500	500	
Wisconsin	General Mitchell ARS			
	Fire Fighter Training Facility	1,450	1,450	33
	Secondary Containment Facility	750	750	36
	SUBTOTAL	2,200	2,200	
	TOTAL IN THE UNITED STATES	21,000	21,000	
Worldwide	Unspecified Minor Construction	4,018	4,018	38
	Arch & Eng Svcs and Const Design	3,172	3,172	40
	GRAND TOTAL	**28,190**	**28,190**	

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)

MAJOR CONSTRUCTION

FY 1995 NEW MISSION/ENVIRONMENTAL/CURRENT MISSION LISTING

LOCATION	PROJECT	COST	NEW/ENVIR/ CURRENT
March AFB, CA	Replace Substation	3,900	Current
Dobbins ARB, GA	Fire Fighter Training Facility	1,100	Environmental
Grissom ARB, IN	Basewide Environmental Compliance	2,200	Environmental
Barksdale AFB, LA	Add to and Alter Facilities for Conversion	5,000	New
Westover ARB, MA	Replace Taxiway "G"	5,100	Current
Westover ARB, MA	Replace Underground Storage Tanks	1,000	Environmental
Youngstown ARS, OH	Industrial Wastewater Pretreatment Facility	500	Environmental
Gen Mitchell ARS, WI	Fire Fighter Training Facility	1,450	Environmental
Gen Mitchell ARS, WI	Secondary Containment Facility	750	Environmental
	TOTAL	21,000	
	Subtotals		
	New Mission	5,000	
	Current Mission	9,000	
	Environmental Work	7,000	
	Arch & Eng Svcs and Const Design	3,172	
	Unspecified Minor Construction	4,018	
	GRAND TOTAL	**28,190**	

SECTION 1

SPECIAL PROGRAM CONSIDERATIONS

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)

MAJOR CONSTRUCTION

FY 1995 POLLUTION ABATEMENT LISTING

LOCATION	PROJECT	COST	TYPE	DD FORM 1391 Page #
Dobbins ARB, GA	Fire Fighter Training Facility	1,100	Abatement	8
Grissom ARB, IN	Basewide Environmental Compliance	2,200	Abatement	13
Westover ARB, MA	Replace Underground Storage Tanks	1,000	Abatement	23
Youngstown ARS, OH	Industrial Wastewater Pretreatment Facility	500	Abatement	28
Gen Mitchell ARS, WI	Fire Fighter Training Facility	1,450	Abatement	33
Gen Mitchell ARS, WI	Secondary Containment Facility	750	Abatement	36
	TOTAL	7,000		
	Subtotals			
	Pollution Abatement	7,000		
	Energy Conservation	0		
	GRAND TOTAL	**7,000**		

SECTION 2

BUDGET APPENDIX EXTRACT

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM

FY 1995 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air Force Reserve as authorized by Chapter 133 of title 10, United States Code, and military construction authorization Acts, ($74,486,000) *$28,190,000* to remain available until September 30 (1998) *1999*. *(Military Construction Appropriations Act, 1994)*

Mil. Con., Air Force Reserve
Program and Financing (in Thousands of dollars) Summary — 18 JAN 94

Identification code 57-3730-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed) 1993 Actual	1994 Est	1995 Est	Obligations 1993 Actual	1994 Est	1995 Est
Program by activities:						
Direct program:						
00.0101 Major Construction	22,700	66,593	21,000	12,228	38,446	35,319
00.0201 Minor Construction	4,400	3,904	4,018	2,522	4,013	4,229
00.0301 Planning	2,800	3,989	3,172	6,837	5,423	4,133
10.0001 Total	29,900	74,486	28,190	21,587	47,882	43,681
Financing:						
17.020 RECOV PY BAL OF						
Unobligated balance available, start of year:						
21.4002 Per completion of prior year budget plans						
21.020 UNOB BY, REMPLAN				(45,647)	(53,603)	(60,267)
21.4007 Reprogramming from/to prior year budget plans						
23.4002 Reduction pursuant to P.L. 99-177 in unoblig bal: Apn						
Unobligated balance available, end of year:						
24.4002 Per completion of prior year budget plans				53,960	60,267	64,796
25.010 Lapse, U/BAL						
25.0001 Unobligated balance, lapsing						
39.020 PAPC ROUNDS, OF						
40.0001 Budget authority (Appropriation)	29,900	74,486	28,190	29,900	74,486	28,190
Relation of obligations to outlays:						
72.110 UNPAID OB, BOY				22,850	15,294	34,859
71.0001 Obligations incurred, net				21,587	47,882	43,681
77.110 OBLIG ADJUSTMENT				338		
78.110 OBLIG ADJUSTMENT				-33		
90.110 PAYMNT CY PROG						
90.111 PAYMNT PY PROG				29,448	28,317	27,694
OUTLAYS				29,448	28,317	27,694
74.110 UNPAID OBL, EOY				15,294	34,859	50,846

Mil. Con., Air Force Reserve
Object Classification (in Thousands of dollars) Summary — 18 JAN 94

Identification code 57-3730-0-1-051	1993 Actual	1994 Est	1995 Est
Direct obligations:			
Other services:			
125.003 Contracts	546	445	372
132.001 Land and structures	1,179	1,328	9,385
199.001 Total Direct Obligations	1,725	1,773	9,757
Allocation Accounts			
Other services:			
325.003 Contracts	6,291	5,113	4,276
332.001 Land structures	13,571	40,997	29,648
399.001 Total Allocation Accounts	19,862	46,109	33,924
999.001 Total Obligations	21,587	47,882	43,681
Obligations are distributed as follows:			
Defense - Military: Army	17,277	38,705	36,011
Defense - Military: Navy	2,586	4,708	4,037
Defense - Military: Air Force	1,724	4,369	3,633
Total Obligations	21,587	47,882	43,681

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM - FISCAL YEAR 1995

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective action is accomplished in accordance with applicable standards and criteria.

Energy Conservation

Military Construction projects specifically designed for energy conservation at installations have been developed, reviewed and selected with prioritization by energy savings per investment costs. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals and installation construction projects have been planned to allow for the proper management of flood plains and protection of wetlands by avoiding long term impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 900-400, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities in this program do not directly or indirectly affect any district, site, building, structure, object or setting listed in the National of Historic Places, except as noted on DD Form 1391.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Protection Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in this Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects included in this program represent the most economical use of resources.

Reserve Manpower Potential

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other services having Reserve flying/non-flying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in these areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that can reasonably be expected to be maintained at authorized strength levels considering the number of persons living in these areas who are qualified for membership in those Reserve units.

Potential Use of Vacant Schools & Other State & Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Congressional Reporting Requirements

Page iii, titled "New Mission/Current Mission/Environmental Listing", is in response to a Senate Appropriations Committee requirement contained on page 10 (New and Current Mission Activities) of Report #100-380.

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, the Air Force Reserve is in the process of screening Fiscal Year 1995 construction requirements against the Resolution Trust Corporation (RTC) real estate asset inventory.

SECTION 3

INSTALLATION AND PROJECT JUSTIFICATION DATA

DD FORMS 1390 AND 1391

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
March Air Force Base, California	1.26

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

1 Air National Guard Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
813-231	Replace Substation	LS	3,900	10/93	9/94

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION N/A *(Date)*

Approval for unilateral construction not required as this is a project providing utility service offset by utility savings. No other utility options are available.

9. LAND ACQUISITION REQUIRED None *(Number of Acres)*

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
None				

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION

March Air Force Base, California

11. PERSONNEL STRENGTH AS OF--1 APR 93

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	473	0	6	467	2141	346	1795
ACTUAL	473	0	6	467	2141	346	1795

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
452nd Air Refueling Wing	1552	1552
443 Aircraft Group	589	589
Total	2141	2141

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
KC-135E	10	10
C-130B	2	2

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARCH AIR FORCE BASE, CALIFORNIA	REPLACE 34.5 KV SUBSTATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
91215	813-231	PCZP930813	3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REPLACE 34.5 KV SUBSTATION	LS			3,253
UNDERGROUND ELECTRICAL DISTRIBUTION	LF	2,600	140	(364)
SUBSTATION EQUIPMENT	LS			(652)
SCE 115KV SERVICE LINE	LS			(2,237)
SUPPORTING FACILITIES				85
MOBILIZATION	LS			(10)
DEMOLISH EXISTING SUBSTATION	LS			(75)
SUBTOTAL				3,338
CONTINGENCY (10%)				334
TOTAL CONTRACT COST				3,672
SUPERVISION, INSPECTION AND OVERHEAD (6%)				220
TOTAL REQUEST				3,892
TOTAL REQUEST (ROUNDED)				3,900

10. Description of Proposed Construction: Replace existing 10.0 Mva and 5.0 Mva, 34.5 kv - 13.8 kv transformers with a new 12.5 Mva, 115 kv - 13.8 kv transformer. Work includes a new switch gear, bus, and connection to the circuits served by the existing transformers. Work also includes a new 115 kv service line required to feed the new substation transformer at the higher voltage rate from Southern California Edison.

11. REQUIREMENT: As required.

PROJECT: Provides one new 115 kv - 13.8 kv transformer rated at 12.5 Mva to support the base electrical demand, and a new 115 kv service line to feed the new substation transformer at the higher voltage.

REQUIREMENT: A new 115 Kv - 13.8 kv transformer substation is needed to capitalize on the high voltage discount rates offered by Southern California Edison. The new transformer will also standardize the base's electrical distribution system. A new 115 kv service line is required to feed the substation at the higher voltage.

CURRENT SITUATION: The existing substation at March AFB consists of a 5 year old 10 Mva and a 16 year old 5 Mva transformer. Both are rated 34.5 kv primary and 13.8 kv secondary units supplying power to the main base distribution system. Southern California Edison, the local public utility company, estimated the current 34.5 kv service to the base to be fully loaded. Because the existing substation does not have any spare capacity, a new 12.5 Mva 115 kv primary and 13.8 kv secondary substation should be built to support existing and any additional electrical demand that may be needed in the future. A new 115 kv service line is required to feed the new transformer substation at the higher voltage. The cost of transmitting electricity from Southern California Edison is cheaper at the high voltage than at the voltage we currently use. Changing the service

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

MARCH AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE 34.5 KV SUBSTATION	PCZP930813

load from the existing 34.5 kv transformers to the new 115 kv transformer takes advantage of the favorable rate schedule and will save the base over $1,235,000 per year.

IMPACT IF NOT PROVIDED: We will lose the opportunity to standardize the base's electrical distribution system and to save $1,235,000 in annual utility costs.

ADDITIONAL: This is a Productivity Investment Fund (PIF) project and would provide great savings in utility expenses. This transformer would also provide extra capacity for March AFB for any future electrical requirements. Currently, our electrical system is at maximum capacity. We need to modernize our substations and our service lines to provide dependable power and expansion capability to support the current mission and future needs of March AFB.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

MARCH AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE 34.5 KV SUBSTATION	PCZP930813

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	93 OCT 10
(b) Parametric Cost Estimates used to develop costs	N
(c) Percent Complete as of Jan 1994	1%
(d) Date 35% Designed.	94 MAR 01
(e) Date Design Complete	94 SEP 01
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	231
(b) All Other Design Costs	115
(c) Total	346
(d) Contract	277
(e) In-house	69
(4) Construction Start	94 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
Dobbins Air Reserve Base, Georgia	0.96

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

2 Army Installations
1 Naval Air Station
1 Air National Guard Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
179-511	Fire Fighter Training Facility	1 EA	1,100	6/93	3/94

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — 2 DEC 92 *(Date)*

Approved for unilateral construction.

9. LAND ACQUISITION REQUIRED — None *(Number of Acres)*

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
171-447	Add/Alter Reserve Communications	5,000 SF	880	96
171-443	Add/Alter Security Police	3,850 SF	1,200	96
831-155	Industrial Waste Water System	LS	2,750	97
171-873	Aerial Port Training Facility	22,200 SF	3,186	98
832-266	Upgrade Sanitary Sewer System	51,696 LF	3,000	98
831-173	Upgrade Storm Water System	8,000 LF	2,000	99

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION

Dobbins Air Reserve Base, Georgia

11. PERSONNEL STRENGTH AS OF--1 APR 93

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	357	0	0	357	1532	239	1202
ACTUAL	357	0	0	357	1532	239	1202

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
914th Support Group	1532	1532

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130H	8	8

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 19

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOBBINS AIR RESERVE BASE, GEORGIA	FIRE FIGHTER TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55356F	179-511	FGWB949003	1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTER TRAINING FACILITY	LS			744
AIRCRAFT MOCK-UP & BURN PIT	EA	1	648,000	(648)
SEARCH & CONFINED SPACE TRAINING BLDG	EA	1	80,000	(80)
DRAFTING PIT	EA	1	16,000	(16)
SUPPORTING FACILITIES				260
UTILITIES & OIL/WATER SEPARATOR	LS			(40)
FUEL STORAGE TANKS	LS			(35)
SITE PREPARATION & PAVEMENTS	LS			(130)
SECURITY FENCE	LS			(55)
SUBTOTAL				1,004
CONTINGENCY (5%)				50
TOTAL CONTRACT COST				1,054
SUPERVISION, INSPECTION AND OVERHEAD (6%)				63
TOTAL REQUEST				1,117
TOTAL REQUEST (ROUNDED)				1,100

10. Description of Proposed Construction: Circular burn area with double flexible membrane liners, water and fuel drainage systems, leak detection, effluent holding pond, oil/water separator, fuel tanks, pumps, valves, controls, piping, aircraft mockup, and compacted drive-around area. Search and Confined Space Training building of masonry and concrete with movable partitions, pipes, hatches, tanks, and small openings.

11. REQUIREMENT: 1 LS ADEQUATE: 0 SUBSTANDARD: 1 LS

PROJECT: Construct a Fire Training Facility (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. A live-fire training facility, meeting all environmental and safety regulations, is required. Live-fire training is required (Air Force, FAA, OSHA) to enable fire fighters to maintain a high level of proficiency by extinguishing interior aircraft fires and fires involving mass fuel spills and running fuel. These exercises, performed on mock-ups representing the mission-assigned aircraft, have historically created compliance problems with the Clean Air and Clean Water Acts. An impermeable lining below the training areas with associated oil/water separation and waste holding facilities are required to prevent leaching into the ground.

CURRENT SITUATION: The existing live-fire training facility violates US Environmental Protection Agency (EPA) regulations. The existing oil/water separator is not capable of adequately separating the foaming agent and unburned fuel from the water. The existing facility has been closed for the purposes of restoration and due to the envrionmental problems that occur from the use of the facility. Live-fire training is manadatory for each military Fire Fighter to be eligible for deployment during a wartime commitment. Due to this facility being closed, our Fire Fighters are having to train off-site, with less frequency, at greater expense and

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	
DOBBINS AIR RESERVE BASE, GEORGIA	
4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTER TRAINING FACILITY	FGWB949003

inconvinience.

IMPACT IF NOT PROVIDED: The inadequate fire training conditions at Gen B. Mitchell Air Reserve Base will continue and will affect the high level of proficiency required in aircraft crash-fire fighting. The required level and frequency of live-fire training for the assigned fire fighters is not available. Off-site training causes manning shortages and could pose problems if fires occur while fire fighters are away. Without the stress and realism that comes only with live fires, fire fighters lose proficiency in combating fires. The potential for loss of aircraft and life is increased.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbbok 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". However, the Air Force has developed a "standard" or generic design for a Fire Training Facility which incorporates all of the requirements for Fire Fighter training and that meets all environmental compliance standards. This estimate is based on that "standard" design for this location and this design will be used and site adapted for this particular base. The Search and Confined Space Training Facility is added to the standard design to satisfy recent confined space training requirements.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

DOBBINS AIR RESERVE BASE, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTER TRAINING FACILITY	FGWB949003

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:		
(a)	Date Design Started	93 JUN 01
(b)	Parametric Cost Estimates used to develop costs	Y
(c)	Percent Complete as of Jan 1994	35%
(d)	Date 35% Designed.	94 JAN 15
(e)	Date Design Complete	94 MAR 30
(2) Basis:		
(a)	Standard or Definitive Design -	
(b)	Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		($000)
(a)	Production of Plans and Specifications	86
(b)	All Other Design Costs	152
(c)	Total	238
(d)	Contract	143
(e)	In-house	95
(4)	Construction Start	94 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
Grissom Air Reserve Base, Indiana	1.07

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are two days per month and field traing is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

1 Air National Guard Unit
1 Naval Reserve Unit
2 Army Reserve Units
1 Coast Guard Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
100-000	Cantonment Area Environmental Compliance	LS	1,900	8/93	6/94

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — 18 Feb 93 *(Date)*

Approved for unilateral construction.

9. LAND ACQUISITION REQUIRED — None *(Number of Acres)*

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
179-511	Fire Fighter Training Facility	LS	1,500	96
219-944	Constuct Pest Management Facility	1,000 SF	450	97
124-124	Replace POL Pump House/UST	3,000 SF	2,100	98

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION

Grissom Air Reserve Base, Indiana

11. PERSONNEL STRENGTH AS OF--1 APR 93

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	422	0	0	422	1795	186	1116
ACTUAL	422	0	0	422	1795	186	1116

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
930th Fighter Group	167	167
434th Refueling Wing	1628	1628
Total	1795	1795

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
KC-135R	20	21
A-10A	18	22

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GRISSOM AIR RESERVE BASE, INDIANA	CANTONMENT AREA ENVIRONMENTAL COMPLIANCE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55356F	100-000	CTGC959001	2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CANTONMENT AREA ENVIRONMENTAL				
COMPLIANCE	LS			1,867
INSTALL RAMP OIL/WATER SEPARATOR	LS			(205)
REPAIR OIL/WATER SEPARATORS (BASEWIDE)	EA	5	46,000	(270)
REPAIR POL DIKES	LS			(312)
CONSTRUCT LIME COLLECTION SYSTEM	LS			(225)
REPAIR SANITARY SEWERS (BASEWIDE)	LS			(345)
CONSTRUCT WASTE FUEL/OIL TANKS	LS			(130)
REPAIR WATER PLANT	LS			(220)
REPAIR/MODIFY PLANT STORAGE	LS			(160)
SUBTOTAL				1,867
CONTINGENCY (10%)				187
TOTAL CONTRACT COST				2,054
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				134
TOTAL REQUEST				2,188
TOTAL REQUEST (ROUNDED)				2,200

10. Description of Proposed Construction: Upgrade, construct and repair various environmental items, including oil/water separators, POL Dike, Lime Collection System, tanks, Water Plant, and Paint Storage.

11. REQUIREMENT: As required.

PROJECT: Basewide environmental compliance. (Current Mission)

REQUIREMENT: Environmental compliance requires the installation of an airfield ramp oil/water separator system, repair of five existing oil/water separators, repair of existing POL Dikes, construction of a lime collection system, repair of the water plant, and repair and modification of the paint storage facility.

CURRENT SITUATION: Existing oil/water separators, POL dikes, sanitary sewers, and water utilities are in need of upgrade or repair due to age and deteriorated condition.

IMPACT IF NOT PROVIDED: Existing POL, water, and wastewater systems will continue to degrade to the point that significant damage could occur to the environment through accidental release of hazardous products.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

GRISSOM AIR RESERVE BASE, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
CANTONMENT AREA ENVIRONMENTAL COMPLIANCE	CTGC959001

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	93 AUG 30
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1994	35%
(d) Date 35% Designed.	94 JAN 30
(e) Date Design Complete	94 JUN 30
(2) Basis:	
(a) Standard or Definitive Design -	
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	50
(b) All Other Design Costs	120
(c) Total	170
(d) Contract	145
(e) In-house	25
(4) Construction Start	94 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
Barksdale Air Force Base, Louisiana	0.84

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

1 Army Reserve Unit
1 Army National Guard Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
100-000	Add to and Alter Facilities for Conversion	LS	5,000	9/93	9/94

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

22 Nov 93
(Date)

Approved for unilateral construction.

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
None				

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION

Barksdale Air Force Base, Louisiana

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	364	0	0	364	1185	133	1052
ACTUAL	364	0	0	364	1185	133	1052

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH	
	AUTHORIZED	ACTUAL
917th Fighter Wing	1185	1185

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-10A	33	30

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BARKSDALE AIR FORCE BASE, LOUISIANA	ADD TO AND ALTER FACILITIES FOR CONVERSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
51720F	100-000	XPRF949052	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER FACILITIES FOR CONVERSION	LS			3,650
SUPPORTING FACILITIES				645
UTILITIES	LS			(215)
SITE IMPROVEMENTS	LS			(215)
PAVEMENTS	LS			(215)
SUBTOTAL				4,295
CONTINGENCY (10%)				430
TOTAL CONTRACT COST				4,725
SUPERVISION, INSPECTION AND OVERHEAD (6%)				284
TOTAL REQUEST				5,009
TOTAL REQUEST (ROUNDED)				5,000

10. Description of Proposed Construction: Concrete foundations/floors, steel frames, masonry and metal walls, built-up and standing-seam metal roofs on additions. Interior functional renovations. Roads, parking lots, and other supporting facilities.

11. REQUIREMENT: As required.

PROJECT: Add to and alter various operational, training, and maintenance facilities to support conversion of an Air Force Reserve flying unit to a new weapons system. (New mission)

REQUIREMENT: Adequate facilities are required to train reserve aircrew, maintenance, and support technicians in the operations and maintenance of a new mission aircraft.

CURRENT SITUATION: An existing Reserve flying unit will convert from fifteen A-10s to eight B-52H aircraft. Some joint use facilities are available from the active duty host; however, many require interior alteration and minor expansion to accomodate the increased and differing maintenance and operational requirements of the new weapon system.

IMPACT IF NOT PROVIDED: The Reserve operators and technicians will not be able to receive or adequately maintain and operate the new aircraft which wwill limit the ability of the unit to reach full readiness to augment the active force.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

BARKSDALE AIR FORCE BASE, LOUISIANA

4. PROJECT TITLE	5. PROJECT NUMBER
ADD TO AND ALTER FACILITIES FOR CONVERSION	XPRF949052

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	93 SEP 01
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1994	35%
(d) Date 35% Designed.	94 JAN 31
(e) Date Design Complete	94 OCT 31
(2) Basis:	
(a) Standard or Definitive Design -	
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	445
(b) All Other Design Costs	40
(c) Total	485
(d) Contract	410
(e) In-house	75
(4) Construction Start	95 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
Westover Air Reserve Base, Massachusettes	1.28

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

1 Air National Guard Unit
1 Army Guard Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
112-211	Replace Taxiway "G"	LS	5,100	8/92	9/93
411-135	Replace UST Basewide	20 Ea	1,000	6/93	11/93

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — 30 Sep 93 *(Date)*

Approved for unilateral construction.

9. LAND ACQUISITION REQUIRED — None *(Number of Acres)*

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
411-135	Jet Fuel Storage	10,000 BL	2,450	96

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION

Westover Air Reserve Base, Massachusettes

11. PERSONNEL STRENGTH AS OF--1 APR 93

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	981	1	6	975	2311	256	2055
ACTUAL	981	1	6	975	2311	256	2055

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH	
	AUTHORIZED	ACTUAL
439th Airlilft Wing	2311	2311

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-5A	14	14

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WESTOVER AIR RESERVE BASE, MASSACHUSETTS	REPLACE TAXIWAY "G"

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55396F	112-211	YTPM940022	5,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REPLACE TAXIWAY "G"	LS			3,166
SUPPORTING FACILITIES				1,380
UTILITIES: TAXIWAY LIGHTING	LS			(825)
PAVEMENTS: DEMOLITION	LS			(455)
DRAINAGE AND SUBDRAINAGE	LS			(100)
SUBTOTAL				4,546
CONTINGENCY (5%)				227
TOTAL CONTRACT COST				4,773
SUPERVISION, INSPECTION AND OVERHEAD (6%)				286
TOTAL REQUEST				5,059
TOTAL REQUEST (ROUNDED)				5,100

10. Description of Proposed Construction: Repair 3720' of taxiway G at it's intersection with the C-5A ramp and continuing to the 23 warm-up apron. Replace existing base course with 8" cement stabilizer and 10" of compacted base course. Replace pavement with 13" of concrete pavement. Lighting system evaluation will determine amount of repair work.

11. REQUIREMENT: As required.

PROJECT: Repair taxiway "G" for current airfield operations. (Current Mission)

REQUIREMENT: An adequate taxiway to handle aircraft traffic and provide access to operations areas and C-5A parking spaces. Existing pavement requires maintenance overlays as well as extensive repair by replacement to restore failing pavements. Maintenance and repairs are necessary to accommodate the normal growth and evolution of airfield missions at Westover ARB.

CURRENT SITUATION: The existing asphalt taxiway was built almost forty years ago for different type aircraft. This project will rehabilitate the taxiway to the current standard for the mission (C-5) aircraft and its loading requirement. Taxiway "G" was rated in poor general condition by an Airfield Pavement Evaluation report dated December 1991.

IMPACT IF NOT PROVIDED: The potential for foreign object damage to aircraft engines and tires will increase. The pavements will eventually fail, requiring the taxiway to be closed. This will adversely impact operational readiness by restricting quick access to the parking and requiring excessively long taxing to and from the runway.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

WESTOVER AIR RESERVE BASE,MASSACHUSETTS

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE TAXIWAY "G"	YTPM940022

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:		
(a)	Date Design Started	92 AUG 01
(b)	Parametric Cost Estimates used to develop costs	Y
(c)	Percent Complete as of Jan 1994	100%
(d)	Date 35% Designed.	92 OCT 11
(e)	Date Design Complete	93 SEP 30
(2) Basis:		
(a)	Standard or Definitive Design -	
(b)	Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		($000)
(a)	Production of Plans and Specifications	176
(b)	All Other Design Costs	161
(c)	Total	337
(d)	Contract	237
(e)	In-house	100
(4) Construction Start		95 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WESTOVER AIR RESERVE BASE, MASSACHUSETTS	REPLACE UNDERGROUND STORAGE TANKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55356F	411-135	YTPM959002	1,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REPLACE UNDERGROUND STORAGE TANKS	LS			400
REPLACE EXISTING UST WITH NEW UST	EA	3	20,000	(60)
REPLACE EXISTING UST WITH VAULTED TANK	EA	17	20,000	(340)
SUPPORTING FACILITIES				490
UTILITIES	LS			(60)
PAVEMENTS	LS			(20)
SITE RESTORATION	EA	5	66,000	(330)
SITE ASSESSMENT	EA	20	4,000	(80)
SUBTOTAL				890
CONTINGENCY (5%)				45
TOTAL CONTRACT COST				935
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				61
TOTAL REQUEST				996
TOTAL REQUEST (ROUNDED)				1,000

10. Description of Proposed Construction: Remove 20 POL underground storage tanks and replace 3 with double wall underground storage tanks and 17 with vaulted aboveground storage tanks. Provide initial remediation where required, contamination assessments, and disposal of tanks, contaminated soils and groundwater.

11. REQUIREMENT: 20 LS ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Replace 20 underground storage tanks with fully compliant underground storage tanks and vaulted aboveground storage tanks.

REQUIREMENT: Tanks identified in this project will not meet future State and Federal requirements and currently do not meet DoD regulations. The regulatory requirements originate from Air Force UST Policy, Air Force Reserve UST Policy, 40 CFR 280 Parts A thru G and 527 Code of Massachusetts Regulations Part 9.0 et seq. Three tanks require spill, overfill and cathodic protection and double wall containment (527 CMR 9.0). 17 tanks are uncertifiable due to the age of the tanks (527 CMR 9.0 and 40 CFR 280.20) and cannot meet the 22 Dec 98 requirements due to construction type.

CURRENT SITUATION: Seventeen (17) underground storage tanks which store petroleum fuels are World War II vintage, and according to USEPA's 1986 UST report to Congress - have the highest probability of releasing hazardous contaminants into the environment. Three (3) underground storage tanks store petroleum fuel for military vehicles and must be replaced before 1998. All twenty (20) tanks are located in a primary recharge aquifer which supplies drinking water to central Massachusetts.

IMPACT IF NOT PROVIDED: The tanks will leak and contaminate a primary drinking water resevoir for central Massachusetts. The tanks will not comply with State and Federal regulations. The State will issue an order

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	
WESTOVER AIR RESERVE BASE, MASSACHUSETTS	
4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE UNDERGROUND STORAGE TANKS	YTPM959002

to remove the tanks within 90 days. The ability of the base to support military operations will be hampered. The cost to remediate a major release is well over the cost of this project. Westover has a history of local lawsuits.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

WESTOVER AIR RESERVE BASE, MASSACHUSETTS

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE UNDERGROUND STORAGE TANKS	YTPM959002

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:		
(a)	Date Design Started	93 JUN 01
(b)	Parametric Cost Estimates used to develop costs	Y
(c)	Percent Complete as of Jan 1994	90%
(d)	Date 35% Designed.	93 AUG 15
(e)	Date Design Complete	94 FEB 28
(2) Basis:		
(a)	Standard or Definitive Design -	
(b)	Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		($000)
(a)	Production of Plans and Specifications	20
(b)	All Other Design Costs	80
(c)	Total	100
(d)	Contract	90
(e)	In-house	10
(4)	Construction Start	94 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
Youngstown Municipal Airport - Air Reserve Station, Ohio	0.92

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

1 Naval Reserve Unit
1 Army Reserve Unit
1 Army National Guard Unit
1 Marine Corps Reserve Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
831-155	Industrial Wastewater Pretreatment Facility	1,500 SF	500	12/93	12/94

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — 22 Jun 93 (Date)

Approved for unilateral construction.

9. LAND ACQUISITION REQUIRED — None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
871-183	Apron Runoff/Stormwater Discharge Collection	LS	1,200	98
842-245	Upgrade Base Water Distribution System	LS	1,000	96

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION

Youngstown Municipal Airport - Air Reserve Station, Ohio

11. PERSONNEL STRENGTH AS OF--1 APR 93

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	221	0	0	221	1032	126	877
ACTUAL	221	0	0	221	1032	126	877

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH	
	AUTHORIZED	ACTUAL
910th Airlfit Group	1032	1032

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130H	8	8

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
YOUNGSTOWN AIR RESERVE STATION, OHIO	IND WASTE TREATMENT & DISPOSAL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55356F	831-155	ZQEL979003	500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IND WASTE TREATMENT & DISPOSAL	SF	1,500	180	270
SUPPORTING FACILITIES				180
INDUSTRIAL WASTEWATER PIPING	LF	2,000	35	(70)
ELECTRICAL	LS			(10)
STORM DRAINAGE	LS			(30)
SITE IMPROVEMENTS	LS			(45)
HEATING	LS			(15)
WATER DISTRIBUTION	LS			(10)
SUBTOTAL				450
CONTINGENCY (5%)				23
TOTAL CONTRACT COST				473
SUPERVISION, INSPECTION AND OVERHEAD (6%)				28
TOTAL REQUEST				501
TOTAL REQUEST (ROUNDED)				500

10. Description of Proposed Construction: Construct an Industrial Wastewater Pretreatment Facility consisting of concrete footings and floor slab, structural steel frame, insulated metal panel exterior, wastewater treatment units and containment holding tanks. Excavation and installation of industrial wastewater piping. Include utilities and necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct an Industrial Wastewater Pre-treatment Facility.

REQUIREMENT: Provide industrial wastewater treatment prior to discharge of the wastewater to the Base's Sanitary Sewer Collection System, which discharges to the county's POTW. Pretreatment of the wastewater from the industrial operations is necessary to meet discharge parameters established under the county's industrial wastewater pretreatment program. Pretreatment is required by the Clean Water Act regulation for POTWs to meet NPDES permit requirements. This is a Level II environmental compliance project.

CURRENT SITUATION: The industrial wastewater from the aircraft maintenance industrial area facilities discharges directly to the Sanitary Sewage System with the only form of pretreatment being oil/water separators. The county has an industrial wastewater pretreatment program which requires a limitation on various contaminents in the wastewater discharge by industrial operations. A sampling of the wastewater, especially from aircraft wash operations, has identified metals and high BOD and COD in the wastewater discharge. To continuously meet the parameters required and future restrictions, industrial pretreatment is necessary.

IMPACT IF NOT PROVIDED: Uncontrolled and unmonitored industrial

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		12 JAN 1994

3. INSTALLATION AND LOCATION	
YOUNGSTOWN AIR RESERVE STATION, OHIO	
4. PROJECT TITLE	5. PROJECT NUMBER
IND WASTE TREATMENT & DISPOSAL	ZQEL979003

wastewater could exceed the industrial wastewater pretreatment parameters established by the county, jeopardizing the POTW in meeting its NPDES discharge requirements. A violation of industrial wastewater discharge could occur.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		12 JAN 1994

3. INSTALLATION AND LOCATION

YOUNGSTOWN AIR RESERVE STATION, OHIO

4. PROJECT TITLE	5. PROJECT NUMBER
IND WASTE TREATMENT & DISPOSAL	ZQEL979003

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	93 OCT 01
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1994	10%
(d) Date 35% Designed.	94 APR 15
(e) Date Design Complete	94 OCT 15
(2) Basis:	
(a) Standard or Definitive Design -	
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	5
(b) All Other Design Costs	35
(c) Total	40
(d) Contract	10
(e) In-house	30
(4) Construction Start	95 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION	4. AREA CONSTR COST INDEX
General Mitchell International Airport - Air Reserve Station, Wisconsin	1.16

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are two days per month and field training is conducted fifteen days per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

1 Air National Guard Unit
1 Army Guard Unit
1 Naval Reserve Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
179-511	Fire Fighter Training Facility	LS	1,450	8/93	5/94
124-000	Secondary Containment Facility	LS	750	10/93	12/94

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — 21 Oct 93 *(Date)*

Approved for unilateral construction.

9. LAND ACQUISITION REQUIRED — None *(Number of Acres)*

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
171-445	Medical Training Facility	1100 SF	2,450	96
214-428	Vehicle Ops Facility	17,820 SG	3,300	97
218-852	Survival Equipment Facility	4400 SF	750	97
171-873	Aerial Port Training Facility	14,200 SF	2,000	97
211-159	Inst Air Emission Control Device	LS	400	97
871-183	Storm Drainage Facility	2,800 SY	1,000	97
411-135	Underground Storage Tank	LS	1,200	97
842-245	Base Water Distribution System	LS	750	98
442-758	Base Supply	54,000 SF	3,000	99
171-445	Composite Training Facility	13,700 SF	2,000	99
832-266	Base Sanitary Sewer System	LS	600	99

1. COMPONENT	FY 1995 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		10 Jan 94

3. INSTALLATION AND LOCATION

General Mitchell IAP, Air Reserve Station, Wisconsin

11. PERSONNEL STRENGTH AS OF--1 APR 93

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	295	0	0	295	1183	147	996
ACTUAL	242	0	0	242	1183	147	996

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
440th Airlift Wing	1183	1183

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130	8	8

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GENERAL B. MITCHELL MILWAUKEE, WISCONSIN	FIRE FIGHTER TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55356	179-511	HTUX959001	1,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTER TRAINING FACILITY	LS			930
AIRCRAFT MOCK-UP & BURN PIT	EA	1	810,000	(810)
SEARCH & CONFINED SPACE TRAINING BLDG	EA	1	100,000	(100)
DRAFTING PIT	EA	1	20,000	(20)
SUPPORTING FACILITIES				375
UTILITIES & OIL/WATER SEPARATOR	LS			(50)
FUEL STORAGE TANKS	LS			(45)
SITE PREPARATION & PAVEMENTS	LS			(160)
SECURITY FENCE	LS			(70)
AREA COST FACTOR (1.04%)	LS			(50)
SUBTOTAL				1,305
CONTINGENCY (5%)				65
TOTAL CONTRACT COST				1,370
SUPERVISION, INSPECTION AND OVERHEAD (6%)				82
TOTAL REQUEST				1,452
TOTAL REQUEST (ROUNDED)				1,450

10. Description of Proposed Construction: Circular burn area with double flexible membrane liners, water and fuel drainage systems, leak detection, effluent holding pond, oil/water separator, fuel tanks, pumps, valves, controls, piping, aircraft mockup, and compacted drive-around area. Search and Confined Space Training building of masonry and concrete with movable partitions, pipes, hatches, tanks, and small openings.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a Fire Training Facility (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. A live-fire training facility, meeting all environmental and safety regulations, is required. Live-fire training is required (Air Force, FAA, OSHA) to enable fire fighters to maintain a high level of proficiency by extinguishing interior aircraft fires and fires involving mass fuel spills and running fuel. These exercises, performed on mock-ups representing the mission-assigned aircraft, have historically created compliance problems with the Clean Air and Clean Water Acts. An impermeable lining below the training areas with associated oil/water separation and waste holding facilities are required to prevent leaching into the ground.

CURRENT SITUATION: The existing live-fire training facility violates US Environmental Protection Agency (EPA) regulations. The existing oil/water separator is not capable of adequately separating the foaming agent and unburned fuel from the water. The existing facility has been closed for the purposes of restoration and due to the envrionmental problems that occur from the use of the facility. Live-fire training is manadatory for each military Fire Fighter to be eligible for deployment during a wartime commitment. Due to this facility being closed, our Fire Fighters are having to train off-site, with less frequency, at greater expense and

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	
GENERAL B. MITCHELL MILWAUKEE, WISCONSIN	
4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTER TRAINING FACILITY	HTUX959001

inconvinience.

IMPACT IF NOT PROVIDED: The inadequate fire training conditions at Gen B. Mitchell Air Reserve Base will continue and will affect the high level of proficiency required in aircraft crash-fire fighting. The required level and frequency of live-fire training for the assigned fire fighters is not available. Off-site training causes manning shortages and could pose problems if fires occur while fire fighters are away. Without the stress and realism that comes only with live fires, fire fighters lose proficiency in combating fires. The potential for loss of aircraft and life is increased.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbbok 1190, "Facility Planning and Design Guide" or AFM 86-2, "Standard Facility Requirements". However, the Air Force has developed a "standard" or generic design for a Fire Training Facility which incorporates all of the requirements for Fire Fighter training and that meets all environmental compliance standards. This estimate is based on that "standard" design for this location and this design will be used and site adapted for this particular base. The Search and Confined Space Training Facility is added to the standard design to satisfy recent confined space training requirements.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

GENERAL B. MITCHELL MILWAUKEE, WISCONSIN

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTER TRAINING FACILITY	HTUX959001

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	93 AUG 15
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1994	35%
(d) Date 35% Designed.	93 DEC 15
(e) Date Design Complete	94 SEP 15
(2) Basis:	
(a) Standard or Definitive Design -	
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	35
(b) All Other Design Costs	110
(c) Total	145
(d) Contract	130
(e) In-house	15
(4) Construction Start	95 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GENERAL MITCHELL IAP-ARS MILWAUKEE, WI.	SECONDARY CONTAINMENT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55356F	124-000	HTUX999005	750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECONDARY CONTAINMENT FACILITIES	LS			563
SUPPORTING FACILITIES				80
DEMOLITION	LS			(20)
SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				643
CONTINGENCY (10%)				64
TOTAL CONTRACT COST				707
SUPERVISION, INSPECTION AND OVERHEAD (6%)				42
TOTAL REQUEST				749
TOTAL REQUEST (ROUNDED)				750

10. Description of Proposed Construction: Construct permanent secondary containment facilities for storing hazardous materials/hazardous waste. Excavate/demolish concrete flooring to install permanent containment at selected base facilities.

11. REQUIREMENT: As required.

PROJECT: Secondary Containment Facilities (Current Mission).

REQUIREMENT: To contain leakage from spills of stored hazardous materials/hazardous waste.

CURRENT SITUATION: Presently the base uses portable buildings equipped with secondary containment to store hazardous materials and hazardous waste.

IMPACT IF NOT PROVIDED: The temporary secondary containment buildings have a limited economic life and should be placed with permanent secondary containment built into the floor where hazardous materials and hazardous wastes are stored on base. Failure to plan for these facilities increases the likihood of spills when moving hazardous materials to and from these temporary buildings which are located nearby.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION

GENERAL MITCHELL IAP-ARS MILWAUKEE, WI.

4. PROJECT TITLE	5. PROJECT NUMBER
SECONDARY CONTAINMENT FACILITIES	HTUX999005

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	93 OCT 01
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1994	10%
(d) Date 35% Designed.	94 APR 01
(e) Date Design Complete	94 SEP 01
(2) Basis:	
(a) Standard or Definitive Design -	
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	15
(b) All Other Design Costs	65
(c) Total	80
(d) Contract	72
(e) In-house	8
(4) Construction Start	95 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1995

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE

PROGRAM 341.020 UNSPECIFIED MILITARY CONSTRUCTION $4,018,000

PART I - PURPOSE AND SCOPE

The funds requested for unspecified military construction will finance new construction projects having cost estimates greater than $300,000 but not in excess of $400,000.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds requested for unspecified military construction will finance unforeseen projects generated during the year and are necessary to support mission requirements.

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
5.53.96	010-211	PAYZ950003	4,018

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS			4,018
SUBTOTAL				4,018
TOTAL CONTRACT COST				4,018
TOTAL REQUEST				4,018
TOTAL REQUEST (ROUNDED)				4,018

10. Description of Proposed Construction: Various minor construction projects having costs of over $300,000 but less than $400,000.

11. REQUIREMENT: As required.

PROJECT: N/A

REQUIREMENT: This appropriation provides a lump sum amount for unspecified minor construction projects, not otherwise authorized by law, having a funded cost of $400,000 or less, including construction, alteration or conversion of temporary facilities, in accordance with Title 10, USC 2233 and 2233a. These projects are not now identified but are expected to arise during FY 95.

IMPACT IF NOT PROVIDED: No means to accomplish exigent projects between $300,000 and $400,000 will exist, severely degrading the ability of the Air Force Reserve to efficiently and effectively address unforeseen facility modification, alteration and conversion requirements.

SECTION 4

ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

1. COMPONENT	FY 1995 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		12 JAN 1994

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	PLANNING AND DESIGN (CURRENT MISSION)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
5.53.96	010-211	PAYZ950000	3,172

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN (CURRENT MISSION)	LS			3,172
SUBTOTAL				3,172
TOTAL CONTRACT COST				3,172
TOTAL REQUEST				3,172
TOTAL REQUEST (ROUNDED)				3,172

10. Description of Proposed Construction:

11. REQUIREMENT: As required.

PROJECT: N/A

REQUIREMENT: Funds for architectrual and engineering services and construction provide for the completed design of facilities and evaluation of designs in terms of technical adequacy and estimated costs. In addition, these funds are required to prepare site surveys, develop master plans, working drawings, specifications, project planning reports, and design required for those construction projects included in the Air Force Reserve Military Construction Program. The advanced age and continued deterioration of the Air Force Reserve physical plant and infrastructure have generated numerous facility requirements requiring these architectural and engineering services for design. It is essential the Air Force Reserve be funded at the requested level to ensure operational readiness is not hampered or degraded due to inadequate facilities.

IMPACT IF NOT PROVIDED: Continued design on this fiscal year program, as well as future year MILCON programs, will be impossible.